

Intel® Teach Program
Thinking with Technology Course v.2.5 for Participant Teachers

Agenda for Day 1

Duration	Starting Time	Description	Page #
Module 1 Targeting Thinking in the Classroom			
60	8:00 AM	Program Overview and Introduction - Understanding the nature of this course - Google Docs and Wikispaces	Overview
15	9:00 AM	Activity 1 – Introducing Yourself	1.01
25	9:15 AM	Activity 2 – Introducing the Thinking Tools	1.02
		Activity 4 – Applying Different Models of Thinking - 1 hour, 5 minutes	1.06
30	9:40 AM	Step 1 – Applying Bloom's Taxonomy of Thinking Skills	1.09
15	10:10 AM	Break	
20	10:25 AM	Step 2 – Applying Marzano's Dimensions of Learning	1.13
15	10:45 AM	Step 3 – Applying Costa and Kallick's 16 Habits of Mind	1.17
20	11:00 AM	Activity 5 – Creating Your Own "Habits of Learning Taxonomy"	1.23
15	11:20 AM	Activity 6 – Reviewing the Unit Plan Template	1.25
		Activity 7 – Supporting Thinking - 40 minutes	
10	11:35 AM	Step 1 – Understanding the Seeing Reason Tool	1.31
10	11:45 AM	Step 2 – Exploring Thinking with the Seeing Reason Tool	1.32
10	11:55 AM	Step 3 – Reflecting on Map-Building	1.33
5	12:05 PM	Module Summary - Review module and check for understanding	1.37
60	12:10 PM	Lunch	
Module 2 Designing Standards-Based Projects			
5	1:10 PM	Overview - View objectives and module questions	tab
		Activity 1 – Identifying Standards and Learning Objectives - 1 hour 5 minutes	
5	1:15 PM	Step 1 - Considering the Steps for Project Planning	2.01
20	1:20 PM	Step 2 – Identifying Standards	2.04
20	1:40 PM	Step 3 – Targeting Standards that Would be Supported by the Thinking Tools	2.05
15	2:00 PM	Step 4 – Creating Learning Objectives	2.07
5	2:15 PM	Step 5 – Choosing a Unit Topic	2.08
		Activity 2 – Exploring Project Design - 1 hour 20 minutes	
5	2:20 PM	Step 1 – Understanding the Characteristics of Well-Designed Projects	2.09

5	2:25 PM	Step 2 - Understanding the Teacher Workspace	2.11
10	2:30 PM	Step 3: Registering or Logging In	2.12
20	2:40 PM	Step 4: Viewing Project Ideas Online	2.13
15	3:00 PM	Break	
10	3:15 PM	Step 5 - Viewing Additional Project Ideas (appendix)	2.14
20	3:25 PM	Step 6 – Expanding a Unit to Use a Project-Approach to Learning	2.15
		Activity 3 – Considering a Project Idea for Your Unit - 20 minutes	
10	3:45 PM	Step 1 – Reviewing the Project Rubric	2.17
10	3:55 PM	Step 2 – Identifying Your Project Priorities	2.20
30	4:05 PM	Activity 4 – Sharing Project Ideas for Your Unit	2.23
20	4:35 PM	Activity 5 – Supporting Deeper Thinking	2.24
5	4:55 PM	Module Summary - Review module and check for understanding	2.27

Agenda for Day 2

Duration	Starting Time	Description	Page #
Module 3 Using Curriculum-Framing Questions to Support Thinking Skills			
5	8:00 AM	Overview - View objectives and module questions	tab
		Activity 1 – Ranking Questions - 35 minutes	
25	8:05 AM	Step 1 – Ranking Questions	3.01
10	8:30 AM	Step 2 – Discuss Your Ranking	3.02
		Activity 2 – Asking Questions in the Classroom - 15 minutes	
10	8:40 AM	Step 1 – Understanding Open and Closed Questions	3.04
5	8:50 AM	Step 2 – Reflecting on Questions Used in Your Classroom	3.06
		Activity 3 – Developing Curriculum-Framing Questions - 55 minutes	
10	8:55 AM	Step 1 – Defining Curriculum-Framing Questions	3.07
25	9:05 AM	Step 2 – Practicing with Questions	3.10
20	9:30 AM	Step 3 – Writing Essential and Unit Questions	3.15
15	9:50 AM	Break	
		Activity 4 – Supporting Higher-Order Thinking Skills with Curriculum-Framing Questions - 35 minutes	
15	10:05 AM	Step 1 – Looking Deeper into a Unit - Grow a Business	3.17
20	10:20 AM	Step 2 – Focusing on Curriculum-Framing Questions Used in Units	3.18
		Activity 5 – Writing Your Own Curriculum-Framing Questions - 30 minutes	
25	10:40 AM	Step 1 – Creating a First Draft of Questions	3.19
5	11:05 AM	Step 2 – Targeting Thinking Skills When Revising Questions	3.21
20	11:10 AM	Activity 6 – Sharing Your Curriculum-Framing Questions	3.22
		Activity 7 – Supporting Thinking - 25 minutes	
15	11:30 AM	Step 1 – Updating Your Map	3.23
10	11:45 AM	Step 2 – Reflecting on Curriculum-Framing Questions to Support Thinking Skills	3.23
5	11:55 AM	Module Summary - Review module and check for understanding	3.26
60	12:00 PM	Lunch	
Module 4 Planning Student-Centered Assessment			

5	1:00 PM	Overview - View objectives and module questions	tab
		Activity 1 – Exploring an Assessment Plan - 40 minutes	
15	1:05 PM	Step 1 – Discussing Methods of Assessment	4.01
15	1:20 PM	Step 2 - Taking a Look at Project Assessment Plans in Action	4.11
10	1:35 PM	Step 3 - Identifying Assessments for Your Classroom	4.15
		Activity 2 – Using the Showing Evidence Tool to Analyze Assessment Plan Ideas - 50 minutes	4.16
35	1:45 PM	Step 1 – Using the Showing Evidence Tool to Make a Case	4.17
15	2:20 PM	Step 2 – Reflecting on Your Thought Process	4.19
20	2:35 PM	Activity 3 – Drafting an Outline for Your Assessment Plan	4.20
5	2:55 PM	Module Summary - Review module and check for understanding	4.24
Module 5 Using the Visual Ranking Tool to Target Thinking Skills			
15	3:00 PM	Break	
5	3:15 PM	Overview - View objectives and module questions	tab
		Activity 1 – Introducing the Visual Ranking Tool - 1 hour 5 minutes	
3	3:20 PM	Step 1 - Reviewing the Benefits of Thinking Tools	5.01
2	3:23 PM	Step 2 - Introducing List Ranking in the Classroom	5.02
20	3:25 PM	Step 3 - Brainstorming a List	5.04
5	3:45 PM	Step 4 – Logging In as a Student	5.05
25	3:50 PM	Step 5 – Ranking and Comparing the List	5.06
10	4:15 PM	Step 6 – Reflecting on Your Use of the Tool	5.07
		Activity 2 – Viewing Project Ideas - 25 minutes	
5	4:25 PM	Step 1 – Reviewing the Power of Visual Ranking	5.08
5	4:30 PM	Step 2 – Considering How the Visual Ranking Tool Can be Integrated into a Classroom Project	5.09
15	4:35 PM	Step 3 – Viewing Sample Projects	5.10
5	4:50 PM	Activity 3 – Thinking About Your Unit - 5 minutes	5.11
5	4:55 PM	Module Summary - Review module and check for understanding	5.14

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Agenda for Day 3

Duration	Starting Time	Description	Page #
Module 6		Considering the Visual Ranking Tool for Your Unit	
5	8:00 AM	Overview - View objectives and module questions	tab
		Activity 1 – Clarifying Project Ideas for Using Visual Ranking - 35 minutes	
10	8:05 AM	Step 1 – Reviewing the Needs of Your Unit	6.01
10	8:15 AM	Step 2 – Viewing Sample Project Descriptions and Prompts	6.02
15	8:25 AM	Step 3 – Sharing Your Ideas	6.07
		Activity 2 – Planning Your Project - 45 minutes	
20	8:40 AM	Step 1 – Creating Your Own Project Description and Prompt	6.08
15	9:00 AM	Step 2 – Planning Your Use of Visual Ranking	6.10
10	9:15 AM	Step 3 – Creating a Practice List	6.10
50	9:25 AM	Activity 3 – Setting Up a Visual Ranking Project	
		Step 1 – Creating a Visual Ranking Project from an Existing Project	6.12
		Step 2 – Creating a New Visual Ranking Project	6.13
		Step 3 – Creating Team IDs with the Project Wizard	6.14
		Step 4 – Creating Specialized Student Teams	6.15
		Step 5 – Recording Your Team ID Information	6.15
15	10:15 AM	Break	
		Activity 4 – Trying Out Your Visual Ranking Idea - 50 minutes	
30	10:30 AM	Step 1 – Creating a Practice Ranking	6.16
5	11:00 AM	Step 2 – Assessing Your Practice Ranking	6.19
10	11:05 AM	Step 3 – Editing Your Project	6.20
5	11:15 AM	Step 4 – Reviewing Student Work	6.20
0	11:20 AM	Step 5 – Deleting a Project	6.20
		Activity 5 – Revisiting Your Unit Plan - 20 minutes	
5	11:20 AM	Step 1 – Understanding Best Classroom Practices	6.21
15	11:25 AM	Step 2 – Revising Your Unit Plan	6.25
15	11:40 AM	Activity 6 - Sharing Your Results	6.26

5	11:55 AM	Module Summary - Review module and check for understanding	6.29
60	12:00 PM	Lunch	
Module 7 Using the Seeing Reason Tool to Target Thinking Skills			
5	1:00 PM	Overview - View objectives and module questions	tab
		Activity 1 – Looking at Seeing Reason in Action -40 minutes	
20	1:05 PM	Step 1 – Taking a Look at Your Seeing Reason Map	7.01
20	1:25 PM	Step 2 – Examining a Unit that Uses Seeing Reason	7.02
		Activity 2 – Digging Deeper into Cause and Effect - 25 minutes	
5	1:45 PM	Step 1 – Understanding Causal Maps	7.06
10	1:50 PM	Step 2 – Understanding Cause and Effect	7.07
5	2:00 PM	Step 3 – Helping Students Understand Causal Relationships Using the Seeing Reason Tool	7.09
5	2:05 PM	Step 4 – Viewing the Benefits of the Seeing Reason Tool	7.13
		Activity 3 – Viewing Project Ideas - 45 minutes	
15	2:10 PM	Step 1 – Reviewing the Power of the Seeing Reason Tool	7.14
5	2:25 PM	Step 2 – Understanding What Makes a Good Project	7.17
20	2:30 PM	Step 3 – Viewing Sample Projects	7.18
5	2:50 PM	Step 4 – Thinking About Your Unit	7.19
15	2:55 PM	Break	
		Activity 4 – Considering the Seeing Reason Tool for Your Unit - 30 minutes	
15	3:10 PM	Step 1 – Reviewing the Needs of Your Unit	7.20
15	3:25 PM	Step 2 – Viewing Sample Project Descriptions, Learning Objectives and Research Questions	7.21
20	3:40 PM	Activity 5 – Sharing Your Ideas	7.25
55	4:00 PM	Activity 6 – Planning Your Project	
		Step 1 – Creating a Seeing Reason Project from an Existing Project	7.26
		Step 2 – Creating Your Own Project Description and Research Question	7.27
		Step 3 – Planning Your Use of Seeing Reason	7.29
		Step 4 – Creating a New Seeing Reason Project	7.29
		Step 5 – Creating Teams IDs with the Project Wizard	7.30
		Step 6 – Creating Specialized Student Teams	7.30
5	4:55 PM	Module Summary - Review module and check for understanding	7.33

Agenda for Day 4

Duration	Starting Time	Description	Page #
Module 8 Considering the Seeing Reason Tool for Your Unit			
5	8:00 AM	Overview - View objectives and module questions	tab
		Activity 1 – Trying Out Your Seeing Reason Idea - 1 hour	8.01
5	8:05 AM	Step 1 – Logging in as a Student	8.02
54	8:10 AM	Step 2 – Using the Seeing Reason Tool	8.02
1	9:04 AM	Step 3 – Saving a Map Image	8.03
		Activity 2 – Sharing Causal Maps and Practicing Effective Questioning - 1 hour	
20	9:05 AM	Step 1 – Taking a Deeper Look at Maps	8.04
30	9:25 AM	Step 2 – Using Effective Questioning Techniques	8.05
10	9:55 AM	Step 3 – Reflecting on Your Causal Map	8.07
15	10:05 AM	Break	
		Activity 3 – Revising Your Project - 1 hour	
15	10:20 AM	Step 1 – Editing Your Project	8.08
5	10:35 AM	Step 2 - Reviewing Student Work	8.08
40	10:40 AM	Step 3 – Revising Your Causal Map	8.09
		Activity 4 – Revisiting Your Unit Plan - 20 minutes	
5	11:20 AM	Step 1 – Understanding Best Classroom Practices	8.10
15	11:25 AM	Step 2 – Revising Your Unit Plan	8.13
15	11:40 AM	Activity 5 – Sharing Your Results	8.14
5	11:55 AM	Module Summary - Review module and check for understanding	8.17
60	12:00 PM	Lunch	
Module 11 Completing Your Unit			
5	1:00 PM	Overview - View objectives and module questions	tab
		Activity 1 – Supporting Your Assessment Plan - 10 minutes	
5	1:05 PM	Step 1 - Considering Resources that Will Support Your Assessment Plan	11.01
5	1:10 PM	Step 2 – Taking a Closer Look at Rubrics	11.03

		Activity 2 – Creating an Assessment - 1 hour, 5 minutes	
5	1:15 PM	Step 1 - Introducing the Assessing Projects Application	11.05
5	1:20 PM	Step 2 - Determining the Focus of Your Assessment(s)	11.06
10	1:25 PM	Step 3 - Planning an Assessment	11.07
45	1:35 PM	Step 4 - Using the Assessing Projects Application to Create an Assessment	11.09
15	2:20 PM	Activity 3 – Finalizing Your Assessment Plan	11.13
5	2:35 PM	Activity 4 – Reflecting on Your Unit	11.15
		Activity 5 – Completing Your Unit Plan - 25 minutes	
10	2:40 PM	Step 1 – Finalizing Your Unit Ideas	11.16
15	2:50 PM	Step 2 – Revisiting Your Unit Plan	11.19
15	3:05 PM	Break	
		Activity 6 – Showcasing Your Unit - 1 hour, 5 minutes	
5	3:20 PM	Step 1 - Considering Showcase Options for Student Projects	11.20
15	3:25 PM	Step 2 - Preparing for the Showcase	11.21
45	3:40 PM	Step 3 - Showcasing Your Unit	11.22
		Activity 7 – Reflecting on the Course - 30 minutes	
15	4:25 PM	Step 1 - Evaluating the Course	11.27
15	4:40 PM	Step 2 – Reflecting on Lessons Learned	11.28
5	4:55 PM	Module Summary - Review module and check for understanding; receive certificates	11.31